

CLAIMS

1. A perfluoropolyether ester compound having at
 5 least one ester bond, which is obtained by an
 esterification reaction between a perfluoropolyether diol
 having hydroxyl groups at both ends thereof and represented
 by the formula (1) and a perfluoropolyether dicarboxylic
 acid having carboxyl groups at both ends thereof and
 10 represented by the formula (2):



wherein each of R and R' is a group selected independently
 from the following perfluoroether groups R¹ through R⁴:

- 15 R¹: $-\text{CF}_2-(\text{OCF}_2\text{CF}_2)_m-(\text{OCF}_2)_n-\text{OCF}_2-$
 R²: $-(\text{CF}_2\text{O})_j-(\text{CF}_2\text{CF}_2\text{O})_k-(\text{CF}_2\text{O})_l-\text{CF}_2-$
 R³: $-(\text{CF}_2\text{CF}_2\text{CF}_2\text{O})_o-\text{CF}_2\text{CF}_2-$
 R⁴: $-(\text{CF}_2\text{CF}(\text{CF}_3)\text{O})_p-\text{CF}_2-$

wherein m, n, j, k, l, o and p independently represent
 20 integers between 1 and 100.

2. The perfluoropolyether ester compound according
 to Claim 1, wherein said esterification reaction is
 performed by the bulk polymerization method.

3. The perfluoropolyether ester compound according to Claim 1 or Claim 2, wherein the weight average molecular weights of the perfluoropolyether diol of formula (1) and the perfluoropolyether dicarboxylic acid of formula (2) are
5 each between 2000 and 4000.

4. A lubricant containing the perfluoropolyether ester compound according to any of Claims 1 through 3.

10 5. A magnetic recording medium having at least a magnetic layer formed on a non-magnetic support, wherein an applied film of the lubricant according to Claim 4 is formed on the surface of the magnetic layer.